

Clean version of replacement Claim 1

1. A scintillator for an electron microscope comprising:

a disc shaped substrate of optically clear material having a first surface and a second surface facing oppositely to said first surface, and a side wall portion forming an edge of said disc;

an indium tin oxide coating on said first surface having an outer surface on a side thereof opposite to that engaging said substrate;

an outer edge portion on said outer surface of said coating;

an electrically conductive retaining ring having opposite ends and a non-oxidizing exterior around said wall of said substrate;

a radially inwardly extending lip on one end of said ring overlying in spaced relation said outer edge portion of said outer surface on said indium tin oxide coating and forming a central opening in said one end of said ring;

an electrically conductive adhesive means between and connecting said overlying lip and said outer edge portion of said indium tin oxide coating;

a scintillator material having an inner surface electrically conductively connected to said outer surface on said indium tin oxide coating and extending through said central opening in said one end of said ring; and
an outer surface on said scintillator material opposite to said inner surface thereof connected to said indium tin oxide coating.

Version with markings to show changes made

1. A scintillator for an electron microscope comprising:

a disc shaped substrate of optically clear material having a first surface and a second surface facing oppositely to said first surface, and a side wall portion forming an edge of said disc;

an indium tin oxide coating on said first surface having an outer surface on a side thereof opposite to that engaging said substrate;

an outer edge portion on said outer surface of said coating;

an electrically conductive retaining ring having opposite ends and a non-oxidizing exterior around said wall of said substrate;

a radially inwardly extending lip on one end of said ring overlying [an] in spaced relation said outer edge portion of said outer surface

Serial No.: 09/812,880

on said indium tin oxide coating and forming a central opening in said one end of said ring;

an electrically conductive adhesive means between and connecting said overlying lip and said outer edge portion of said indium tin oxide coating;

a scintillator material having an inner surface electrically conductively connected to said outer surface on said indium tin oxide coating and extending through said central opening in said one end of said ring; and

an outer surface on said scintillator material opposite to [the] said inner surface thereof [engaging] connected to said indium tin oxide coating.

REMARKS

This application is being amended as above to correct an obvious typographical error in the spelling of the term angstrom in Claim 3, line 3, and to more clearly recite in Claim 1 the outer edge portion on the outer surface of the indium tin oxide coating, the radially inwardly extending lip on the retaining ring being in spaced relation to said outer edge portion, and the scintillator